

PAT-NO: JP02002078089A
**DOCUMENT-
IDENTIFIER:** JP 2002078089 A
TITLE: ULTRASONIC WAVE
SENSOR
PUBN-DATE: March 15, 2002

INVENTOR-INFORMATION:

NAME	COUNTRY
IWASAKI, KATSUSHI	N/A
TANIDA, AKIHIKO	N/A
SHIGEMORI, TAKUMI	N/A
SAKAGUCHI, MAKOTO	N/A

ASSIGNEE-INFORMATION:

NAME	COUNTRY
NIPPON CERAMIC CO LTD	N/A

APPL-NO: JP2000256503
APPL-DATE: August 25, 2000

INT-CL H04R017/00 ,
(IPC) : G01S007/521 ,
G01S015/93

ABSTRACT:

PROBLEM TO BE SOLVED: To provide an ultrasonic wave sensor that can stabilize attenuated vibration caused after the end of a drive input signal and makes a reverberation time constant so as to stabilize a distance for detecting an obstacle.

SOLUTION: A piezoelectric vibrator is joined with the inside of a bottom face of a cylindrical case with a bottom, an upper face of the piezoelectric vibrator is covered with a foamed elastic body and silicone elastic body is filled in the cylindrical case with bottom including other inner bottom face and side faces in the ultrasonic wave sensor.

COPYRIGHT: (C) 2002, JPO